

AUSTRALIAN BUREAU OF STATISTICS

WESTERN AUSTRALIAN OFFICE

Catalogue No. 6302.5

WESTERN AUSTRALIA

INDUSTRIAL ACCIDENTS (Series B)

1976 - 77

Inquiries regarding these statistics may be made by telephoning Perth 326 3283.

The statistics contained in this publication relate to accidents causing death or absence from work for <u>one week or more</u>, i.e. five working days or more. An earlier release, (Catalogue No. 6301.5) 'Industrial Accidents (Series A)' issued 15 March 1978 contains corresponding information in respect of industrial accidents causing death or absence from work for <u>one day or more</u>.

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PERTH, Western Australia 20 April 1978

NOTES

The statistics contained in this publication are derived from details of claims for workers' compensation paid by insurers and self-insurers. They relate to claims reported to have been closed during the year ended 30 June 1977.

The figures do not represent all industrial accidents which actually occurred during the year because:

- (i) they refer to claims closed;
- (ii) in the case of non-fatal accidents, they include only those which resulted in absence from work for one week or more;
- (iii) only accidents coming within the scope of the Workers' Compensation Act are included in the statistics, which therefore exclude industrial accidents resulting in the death of, or injury to, self-employed persons and persons employed by the Australian Government. (Compensation for Australian Government employees is provided by the Compensation (Australian Government Employees) Act 1971);
- (iv) the statistics include only accidents occurring at the work site or in the course of the worker's normal duties and do not therefore include 'journey' cases, i.e. death of, or injury to, an employee while travelling between his place of residence and the place of employment. During the year ended 30 June 1977, 491 claims were reported closed in respect of 'journey' cases involving loss of work of one week or more, the total time lost being 2,886 weeks and the cost of claims, \$517,694.

The statistics relate only to accidents, and particulars of cases of industrial disease are therefore excluded.

For the purpose of these statistics, each claim is treated as a separate industrial accident and data are prepared from details of claims reported closed during the year under review (in this instance, the year ended 30 June 1977). In respect of reopened claims, the additional time lost and additional costs are included in the tables but, to avoid duplication, such cases have been excluded from the numbers of accidents shown. Reopened claims reported closed in 1976-77 numbered 3,178 and represented 7,650 weeks' time lost, equivalent to 8.5 per cent of the total time lost (see Table 9 on page 10).

The following notes on terms used should be borne in mind when considering the data shown in the tables.

- Time lost means the total time lost (i.e. from date of injury) in respect of claims reported closed during the year. The term is therefore not necessarily restricted to time lost during the year under review, since the accident may have occurred in an earlier year.
- Cost of claims means the total amount of payments made (principally in the form of compensation for loss of wages, and for medical and hospital expenses, and lump-sum settlements) in respect of claims reported closed during the year. The figures do not therefore necessarily represent amounts actually paid in the year under review.
- Accident factor means 'that underlying agency, other than human failing, which appears to contribute most materially to an accident and which would be most likely to receive attention in preventing the occurrence of a similar accident'.
- Site of injury descriptions as shown in Table 3 on page 5 and Table 5 on page 7 are, in most cases, in an abbreviated form. A more detailed description of site of injury is given below:

Head, excluding eyes
Eye(s)
Neck, including vertebral column
Trunk, excluding shoulder and vertebral column
Arm, including shoulder and wrist
Hand, including finger(s) but excluding wrist
Leg, including hip and ankle
Foot, including toe(s)
Site unspecified
Miscellaneous reactions.

Industry. The industry classification used throughout this bulletin is the 'Australian Standard Industrial Classification' (ASIC), described in the publication 'Australian Standard Industrial Classification' (Preliminary Edition), 1969, Volume 1, issued by the Australian Statistician, Canberra. This classification is not directly comparable with the one used for industrial accident statistics for 1975-76 and earlier years.

Figures appearing in Tables 1 and 9 relating to the number of weeks lost have been rounded to the nearest whole week without making those adjustments which would be needed to make the rounded figures add to the rounded total. It is for this reason that figures do not always add to the totals shown.

Percentages as shown in some of the tables have been corrected to the first place of decimals without making those adjustments which would be necessary to make the percentages so expressed add to precisely 100.

No. 1 - FATAL AND NON-FATAL ACCIDENTS: INDUSTRY DIVISION, TIME LOST AND COST OF CLAIMS, 1976-77

	Numbe	er of acc			ost (non- accidents)		Cost of cla	aims (\$)(a)	
Industry division or sub-division	Fatal	Number	% of total		Average per accident (weeks)	Fatal	Non-fatal	Total	Average per non- fatal accident
Agriculture, forestry, fishing and hunting	1	832	MALES 4.6	3,654	4.4	1,722	658,432	660,154	791
Mining Total	5	1,798 2,630	9.9	8,743 12,397	4.9	54,072 55,794	2,263,695	2,317,767	1,259
Manufacturing - Food, beverages and tobacco Wood, wood products and furniture Glass, clay and other non-metallic		1, 991 689	10.9	6,387 2,843	3.2 4.1	29,434	1,078,886 605,394	1,108,320 605,394	542
mineral products Basic metal products Fabricated metal products Other manufacturing	1 1 2	690 264 797 2,426	3.8 1.5 4.4 13.3	3,559 1,255 4,160 10,524	5.2 4.8 5.2 4.3	13,786 126 35,364	619,638 287,713 896,981 2,136,109	619,638 301,499 897,107 2,171,473	
Total Electricity, gas and water	5 1	6,857 374	37·7 2.1	28,728	4.2 5.0	78,710 28,316	5,624,721 393,528	5,703,431 421,844	820
Construction Wholesale and retail trade Transport and storage Finance, insurance, real estate and	2 1 2	3,421 1,696 1,815	18.8 9.3 10.0	17,206 5,799 8,194	5.0 3.4 4.5	61,243 29,415 27,023	3,465,693 1,081,004 1,635,965	3,526,936 1,110,419 1,662,988	1,013 637
business services Community services Entertainment, recreation, restaurants,	1	134 541	0.7	596 2,419	4.4	1,390	117,749 487,991	119,139 487,991	
hotels and personal services Other industries Total	· · · 2 9	521 211 8,713	2.9 1.2 47.9	2,241 768 39,090	4.3 3.6 4.5	49,951 197,338	398,127 151,255 7,731,312	398,127 201,206 7,928,650	717
TOTAL, ALL INDUSTRIES	20	18,200	100.0	80,216	4.4	331,842	16,278,160	16,610,002	894
		Marie - Marie - Marie Adelpo, de marie - Austr	FEMALE	ES	neur den mei 185 sijdernaar en Ethiologen (185 sijde-Wilgensbeek		design attendigs to object the section of the secti		
Agriculture, forestry, fishing and hunting Mining	• •	50 6	2.6	310 111	6.2	• •	48,796 15,137	48,796 15,137	
Total Manufacturing -	••	56	2.9	422	7.5	• •	63,933	63,933	
Food, beverages and tobacco Wood, wood products and furniture Glass, clay and other non-metallic	• • •	326 36	17.0	1,806 125	5.5 3.5	• •	263,782 12,149	263,782 12,149	
mineral products Basic metal products Fabricated metal products		15	0.8	86 •• 99	5.8 4.0	• •	13,860 16,936	13,860 16,936	924 677
Other manufacturing Total	••	91 493	4.7	455 2,571	5.0	• •	73,074	73,074	803
Electricity, gas and water Construction Wholesale and retail trade	• •	4 18 296	0.2 0.9 15.4	14 117 1,639	3.4 6.5 5.5	• •	2,029 24,015 212,914	2,029 24,015 212,914	507 1,334 719
Transport and storage Finance, insurance, real estate and business services	• •	26 35	1.4	119 127	4.6 3.6	••	33,640 12,991	33,640 12,991	1,294
Community services Entertainment, recreation, restaurants, hotels and personal services	• •	640 319	33.3	3,139 1,570	4.9	• •	513,225 266,624	513,225 266,624	836
Other industries Total	• •	34 1,372	1.8 71.4	153 6,877	4·5 5·0	• •	23,822	23,822 1,089,260	
TOTAL, ALL INDUSTRIES	• •	1,921	100.0	9,870	5.1		1,532,994	1,532,994	798
			YTAL PER						
Agriculture, forestry, fishing and hunting Mining Total	1 5 6	982 1,804 2,686	4.4 9.0 13.3	3,964 8,855 12,819	4.5 4.9 4.8	1,722 54,072 55,794	707,228 2,278,832 2,986,060	708,950 2,332,904 3,041,854	802 1,263 1,112
Manufacturing - Food, beverages and tobacco Wood, wood products and furniture Glass, clay and other non-metallic	1	2,317 725	11.5 3.6	8,193 2,968	3.5 4.1	29,434	1,342,668 617,543	1,372,102 617,543	
mineral products Basic metal products Fabricated metal products Other manufacturing	1 1 2	705 264 822 2,517	3.5 1.3 4.1 12.5	3,646 1,255 4,259 10,979	5.2 4.8 5.2 4.4	13,786 126 35,364	633,498 287,713 913,917 2,209,183	633,498 301,499 914,043 2,244,547	899 1,090 1,112 878
Total Electricity, gas and water Construction	5 1 2	7,350 378 3,439	36.5 1.9 17.1	31,299 1,880 17,323	4.3 5.0 5.0	78,710 28,316 61,243	6,004,522 395,557 3,489,708	6,083,232 423,873	817
Wholesale and retail trade Transport and storage Finance, insurance, real estate and	2	1,992 1,841	9.9	7,439 8,312	3.7 4.5	29,415 27,023	1,293,918 1,669,605	3,550,951 1,323,333 1,696,628	1,015 650 907
business services Community services Entertainment, recreation, restaurants,	1	169 1,181	0.8	723 5,558	4.3	1,390	130,740 1,001,216	132,130 1,001,216	774 848
hotels and personal services Other industries Total	2 9	840 245 10,085	4.2 1.2 50.1	3,811 921 45,968	4.5 3.8 4.6	49,951	664,751 175,077 8,820,572	664,751 225,028 9,017,910	79 1 715 875
TOTAL, ALL INDUSTRIES	20	20,121	100.0	90,036	4.5	331,842	17,811,154	18,142,996	885

⁽a) Principally compensation for loss of wages, and for medical and hospital expenses, and lump-sum settlements.

No. 2 - FATAL AND NON-FATAL ACCIDENTS: INDUSTRY DIVISION AND ACCIDENT FACTOR (a), 1976-77

F. denotes Fatal Accidents; N.F. denotes Non-fatal Accidents.

Industry division or sub-division (b)	Mac	hinery	Vel	nicles	expl	tricity, losions, etc.	sub	rmful stances	sli	lling, pping, mbling, etc.	ag st	riking ainst, epping, etc.	mo f	ndling, ving or alling bjects		d tools	unsp	ner and pecified		Total
	F.	N.F.	F.	N.F.	F.	N.F.	F.	N.F.	F.	N.F.	F.	N.F.	E.	N.F.	F.	N.F.	F.	N.F.	F.	N.F.
								MALE	5											0.70
Agriculture, forestry, etc.		128		78		8		7		126		37	1	239		58		151	1	832
Mining	1	59	. 1	109		45		49	1	510		76	2	778		99		73	5	1,798
Total	1	187	1	187		53		56	1 1	636		113	3	1,017		157		224	6	2,630
Manufacturing -																				
Food, beverages and tobacco		65		31		73		21	1	365		78		674		586		98	1	1,991
Wood, wood products, etc.		108		12		7		- 3		82		20		373		77		7		689
Glass, clay, etc.		25		25		4		1		120	0.0	23		443		29		20		690
Basic metal products		30	1	2		11		3		41		11		139		21		6	1	264
Fabricated metal products		92		10		19		4		137		31	1	393		95		16	1	797
Other manufacturing		213		80		74		37		412		123		1,148	1	243	1	96	2	2,426
Total		533	1	160		188		69	1	1,157		286	1	3.170	1	1,051	1	243	5	6,857
	• •		1		• •		• •			, , ,			,							
Electricity, gas and water		9		13	1	9		4		103		20	• •	185		19		12	1	374
Construction		73		151	2	62		29	• •	894		168		1,666		250		128	2	3,421
Wholesale and retail trade		67	1	87		33		11		331		74		793		265		35	1	1,696
Transport and storage		23	1	213		11		14	1	517		87		827		60		63	2	1,815
Finance, insurance, etc.		4		11		1		2		31		9	1	61		12		3	1	134
Community services		10		20		9		1		153		15		262		20		51		541
Entertainment, recreation, etc.		13		7		12		7		119		20		225		42		76		521
Other industries			1	18	1	1				64		12		99		7		10	2	211
Total		199	3	520	Δ	138		68	1	2.212		405	1	4.118		675		378	9	8,713
	• •	177)20	7	. , ,	• •			_,		1-2		,,						
GRAND TOTAL -			-	065		750		407	~	4 005		004	-	0 705	1	1.883	1	. 045	20	18,200
Number	1	919	5	867	4	379	• •	193	3	4,005	• •	804	5	8,305		10.3		845 4.6	20	100.0
Per cent of total	• •	5.0	• •	4.8	• •	2.1	• •	1.1		22.0	• •	4.4	6 0	45.6	0.0	10.5		4.0		100.0
								FEMAL	ES									National Service Company of the Comp		
Agriculture, forestry, etc.		2		4		1		1		18		1		15		1		7		50
Mining	• •									2				4						6
Total		. 2		4		1		1		20		1		19		1		7		56
	• •	-	• •	7																
Manufacturing -				4.0		4.0		0		0.7		477		474		70		6		706
Food, beverages and tobacco	• •	18		10		10	• •	2	• •	93		17		131		39 1		1		326 36
Wood, wood products, etc.		4	• •	* *		1		• •	• •	8		2	• •	19		1				
Glass, clay, etc.		• •		• •	• •	• •	• •	• •		4	• •	1		9	• •		• •		• •	15
Basic metal products		• •		* *		• •	• •	• •	0.0	• •		• •			• •	1	• •	1		25
Fabricated metal products		6		* *		• •	• •	• •		5		3		9	• •	7	• •	1		25
Other manufacturing		20	• •	5		2		4	• •	18		4		30		,	• •	•	• •	91
Total		48		15		13		6		128		27		198	• •	49		9		493
Electricity, gas and water				1										2				1		4
Construction						4.9				8		3		6				1		18
Wholesale and retail trade		13		5		8		3		92		21		122		25		7		296
Transport and storage		.,		3						8		1		12		1		1		26
Finance, insurance, etc.				1				1		21		1		10				1		35
Community services		3		9		19		12		196		37		314		10		40		640
•		9		Δ		21		2		124		19		109		16		15		319
Entertainment, recreation, etc.	• •	_		1		1				19				10		1		. 2	• •	34
Other industries	* *	• •	• •		• •						• •									
Total		25		24		49	• •	18	• •	468	• •	82	• •	585	* *	53		68	• •	1,372
GRAND TOTAL -																				
GIAND IOIAL -																				
Number		75		2.2		63 3.3		25 1.3		616 32.1		110 . 5.7		802 41.7		103 5.4		84 4.4	• •	1,921

⁽a) For a more detailed classification of Accident Factor, see Table 8 on pages 8-10. (b) For a more detailed description of the Industry Divisions and Sub-divisions listed, see Table 1.

Industry division or sub-division (b)	Head	Eye	Neck	Trunk	Arm	Hand	Leg	Foot	Site unspecified 1	discellaneous	Total
				MALES							
Agriculture, forestry, fishing and hunting	22 58	17 59	12 36	214 575	143 205	192 343	175 341	48 155	2 17	7	832 1,798
Total	80	76	48	789	348	535	516	203	19	16	2,630
Manufacturing -											
Food, beverages and tobacco	26	12	19	446	273	912	177	121	5	• •	1,991
Wood, wood products and furniture	12	17	8	170	78	267	82	54	1		689
Glass, clay and other non-metallic mineral, etc.	19	21	7	263	103	141	84	50	1	1	690
Basic metal products Fabricated metal products	11 15	20 64	4 11	94 236	31 79	41 210	38 103	22 76	3	3	264 797
Other manufacturing	52	154	42	775	253	581	325	221	9	14	2,426
Total	135	288	91	1,934	817	2,152	809	544	19	18	6,857
	5	8	8	151	40	65	58	30	3	6	374
Electricity, gas and water Construction	70	125	64	1,211	375	655	652	244) 11	14	3,421
Wholesale and retail trade	31	42	26	557	208	445	247	131	2	7	1,696
Cransport and storage	43	49	58	663	226	253	355	155	7	6	1,815
Finance, insurance, real estate and business services	1	3	5	53	10	25	25	10	1	. 1	134
Community services	7 19	14	17 7	226 190	53	84 104	98 108	38 34	3	1 2	541 521
htertainment, recreation, restaurants, hotels, etc.	5	2	5	84	52 27	29	44	24 13	2	~ .	211
Total	181	247	190	3,135	991	1,660	1,587	655	30	37	8,713
GRAND TOTAL -	101	-41	170	21 (22	// /	1,000	1,001	٥٫٫)0) (0,71)
Number	396	611	329	5,908	2,156	4,347	2,912	1,402	68	71	18,200
Per cent of total	2.2	3.4	1.8	32.5	11.8	23.9	16.0	7.7	0.4	0.4	100.0
				FEMALES				tillheddin yr agwedd gan eildiol a ^{gwy} ldifer on yw wenn o	54 (1959) 19 Ancier aus amis prince as an in the 19 Ancier as abudinates his	urracion del distribución del companyo de la companyo del	
Agriculture, forestry, fishing and hunting	2	1		12	12	8	12	3			50
fining				2	1		3				6
Total	2	1		14	13	8	15	3	• •		56
lanufacturing -											
Food, beverages and tobacco	5	2	5	96	62	93	43	20	• •		326
Wood, wood products and furniture	* *	1	1	10 7	12	10	2	1	• •		36
Glass, clay and other non-metallic mineral, etc. Basic metal products	• •	• •	1				3		• •	• •	15
Fabricated metal products	1	1		3	1	7	5	2			25
Other manufacturing	1	1	5	24	15	31	11	3			91
Total	7	5	12	145	92	142	64	26			493
lectricity, gas and water			1	2			1				4
onstruction				5	1	3	5	4			18
holesale and retail trade	4	1	12	101	40	62	52	21	2	1	296
ransport and storage	2		2	9	3 5	3 2	7		• •	* •	26
inance, insurance, real estate and business services ommunity services	1 15	3	4 25	13 296	95	62	6 110	4 29	2	3	35 640
ntertainment, recreation, restaurants, hotels, etc.	7	3	8	96	47	64	59	33	2	2	319
ther industries		• •	3	16	4	2	9		• •		34
Total	29	7	55	538	195	198	249	91	6	4	1,372
GRAND TOTAL -		,									,,,-
Number	38	13	67	697	300	348	328	120	6	4	1,921
Per cent of total	2.0	0.7	3.5	36.3	15.6	18.1	17.1	6.2	0.3	0.2	100.0

⁽a) For a more detailed description of Site of Injury, see page 2. (b) For a more detailed description of the Industry Divisions and Sub-divisions listed, see Table 1.

Industry division or sub-division (a)	Contusion, bruising, and superficial	Lacerations	Foreign bodies	Burns and scalds	Fractures	Dislocations	Sprains, strains, hermias	Amputations	Concussion	Other	Total
			MA	LES							
Agriculture, forestry, fishing and hunting	163 495	228 275	13 46	12 75	59 127	9 5	315 711	6	7 3	20 52	832 1,798
Total	658	503	59	87	186	14	1,026	15	10	72	2,630
Manufacturing - Food, beverages and tobacco Wood, wood products and furniture Glass, clay and other non-metallic mineral, etc. Basic metal products Fabricated metal products Other manufacturing	348 137 140 52 129 512	814 222 128 35 183 440	5 12 20 13 54 122	94 9 10 18 55 132	49 59 43 21 67 1 44	6 2 2 3 4	630 223 340 118 287 998	9 15 2 7	7 5 3 2 14	29 5 4 2 10 46	1,991 689 690 264 797
Total	1,318	1,822	226							,	2,426
				318	383	17	2,596	47	34	96	6,857
Electricity, gas and water Construction Wholesale and retail trade Transport and storage Finance, insurance, real estate and business services Community services Entertainment, recreation, restaurants, hotels, etc. Other industries	89 813 279 470 31 88 103 43	47 572 435 207 21 61 103 35	3 83 31 40 1 13 4	8 82 49 28 7 15 20	22 225 93 119 9 27 46 12	3 18 9 12 1 5 5	186 1,547 762 896 61 315 224 109	2 9 7 6	1 13 8 6 1 5	8 59 23 31 3 15	374 3,421 1,696 1,815 134 541 521
Total	1,916	1.481	180	214	553	56	4,100	27	34	4 152	8,713
GRAND TOTAL - Number Per cent of total	3,892 21.4	3,806 20.9	465	619 3•4	1,122	87 0.5	7,722 42.4	89 0.5	78 0.4	320 1.7	18,200
	eccentrate managed sample interest menus troubles (figure gara	malification of the transfer of the Constant and the transfer of the transfer	FEM	ALES	TEGET FEEL TEGET STEVEN AND AND AND AND AND AND AND AND AND AN						
Agriculture, forestry, fishing and hunting	13	8	• •	1	7	• •	21		0 0		50
Mining	1	1	• •	• •	• •	• •	4	• •	• •	• •	6
Total	14	9	**	1	7	• •	25	• •	• •		56
Manufacturing - Food, beverages and tobacco Wood, wood products and furniture Glass, clay and other non-metallic mineral, etc. Basic metal products Fabricated metal products Other manufacturing Total	70 5 3 4 20	71 5 1 8 24 109	1 1 1 1 3	13 1 1 3	8 1 1 5	1 1 2	157 24 9 11 34 235	1 	2	3 3	326 36 15 25 91 493
Electricity, gas and water	1	1					2				
onstruction holecale and retail trade ransport and storage inance, insurance, real estate and business services ommunity services intertainment, recreation, restaurants, hotels, etc. ther industries	53 53 6 128 56 5	56 52 42 57 2	1 1	13 1 28 25 1	1 11 1 3 30 22	3	10 150 13 22 388 152 26	2	2 1 1 6 2	8 1 14 2	4 18 296 26 35 640 319 34
Total	257	168	2	68	68	7	763	2	12	25	1,372
GRAND TOTAL - Number Per cent of total	373 19.4	286 14.9	5	87 4•5	90 4.7	9	1,023	3	14	31 1.6	1,921

⁽a) For a more detailed description of the Industry Divisions and Sub-divisions listed, see Table 1.

No. 5 - NON-FATAL ACCIDENTS: SITE OF INJURY AND ACCIDENT FACTOR (a), 1976-77

Site of injury (b)	Machin- ery	Vehicles	Elec- tricity, explo- sions, etc.	Harmful sub- stances	Falling, slipping, stumbling, etc.	Striking against, stepping on, etc.	Handling, moving or falling objects	Hand tools	Other and unspeci- fied	Total acci- dents	Average time lost (weeks)
		anatorio de la constitució de			MALES						
Head	19	60	28	11	65	34	104	29	46	396	5.2
Eye	114	4	18	36	10	4	106	133	186	611	2.4
Neck	6	61	1	3	59	20	139	5	35	329	5.5
Trunk	67	190	31	16	1,201	91	4,052	92	168	5,908	5.6
Arm	89	104	53	15	515	155	954	189	82	2,156	4.2
Hand	507	156	90	44	345	171	1,628	1,267	. 139	4,347	2.9
Leg	66	188	62	19	1,490	225	651	90	121	2,912	5.0
Foot	49	87	81	24	306	101	649	70	35	1,402	3.6
Site unspecified		14	7	4	10	2	18	5	8	68	7.1
Miscellaneous											
reactions	2	3	8	21	4	1	4	3	25	71	2.7
Total	919	867	379	193	4,005	804	8,305	1,883	845	18,200	
Average time lost (weeks)	4.5	5.3	4.0	3.1	5.4	3.4	4.5	2.5	3.8	• •	4.4
					FEMALES						
Head	1	3		0 0	13	8	9		4	38	3.1
Eye	1		1	2		2	2	1	4	13	4.3
Neck	2	9	1	1	21	3	28	1	1	67	8.8
Trunk	3	8	4	4	188	7	461	1	21	697	6.2
Arm	9	3	15	5	96	21	135	3	13	300	6.5
Hand	56	8	25	7	29	28	80	94	21	348	2.8
Leg	1	9	9	3	227	24	40	2	13	328	4.5
Foot	2	3	7	1	38	17	47	1	4	120	3.0
Site unspecified Miscellaneous	• •	• •	• • •	• •	4		• •	• •	2	6	3.7
reactions			1	2					1	4	1.6
Total	75	43	63	25	. 616	110	802	103	84	1,921	
Average time lost (weeks)	4.6	3.9	3.1	2.4	5.8	6.2	5.5	2.0	2.8		5.1

⁽a) For a more detailed classification of Accident Factor, see Table 8. (b) For a more detailed description of Site of Injury, see page 2.

No. 6 - NON-FATAL ACCIDENTS: NATURE OF INJURY AND ACCIDENT FACTOR (a), 1976-77

Nature of injury	Machin- ery	Vehicles	Electricity, explosions, etc.	Harmful sub- stances	Falling, slipping, stumbling, etc.	Striking against, stepping on, etc.	Handling, moving or falling objects	Hand tools	Other and unspeci- fied	Total acci- dents	Average time lost (weeks)
					MALES						
Contusion (b)	134	266	11	22	1,180	392	1,448	237	202	3,892	3.6
Lacerations	434	152	16	21	352	235	1,261	1,226	109	3,806	2.7
Foreign bodies	94	3	5	22	3		65	102	171	465	2.2
Burns and scalds	40	20	320	90	18	12	17	86	16	619	3.2
Fractures	58	115	10	1	379	45	412	52	50	1,122	7.8
Dislocations	1	. 8			38	4	26	1	. 9	87	10.1
Sprains (c)	99	257	3	4	1,975	93	4,939	149	203	7,722	5.1
Amputations	41	6			4	1.	27	10		89	10.2
Concussion	5	14			16	10	20	2	11	78	6.6
Enucleation											
Internal injury	2	3		1	9	1	10		4	30	9.0
Nerve injury		2	1		2	3	15	5	4	32	13.9
Other (d)	11	21	13	32	29	8	65	13	66	258	6.5
Total	919	867	379	193	4,005	804	8,305	1,883	845	18,200	4.4
					FEMALES	Million er som fri dalla delle com tre spring con	Pretression de des regionales de la regi				
Contusion (b)	6	17	1	3	172	55	88	6	25	373	3.7
Lacerations	47	5		3	23	23	71	92	22	286	2.7
Foreign bodies	1			1					3	5	2.1
Burns and scalds	3	1	61	13	4	1		2	2	87	2.8
Fractures	4	2			53	7	21		3	90	8.7
Dislocations					7		2			9	15.2
Sprains (c)	13	15			344	19	607	2	23	1,023	5.9
Amputations	1						1	1		3	1.5
Concussion		1			4	5	3		1	14	4.1
Enucleation											
Internal injury							1			1	1.4
Nerve injury					. 1		6			7	19.5
Other (d)	• •	2	1	5	8		2		5	23	13.3
Total	75	43	63	25	616	110	802	103	84	1,921	5.1

⁽a) For a more detailed classification of Accident Factor, see Table 8.(b) Includes bruising and superficial injury.(c) Includes strains and hernias.(d) Includes 'unspecified'.

No. 7 - NON-FATAL ACCIDENTS: AGE GROUP AND ACCIDENT FACTOR (a), 1976-77

Age group (years)	Machin- ery	Vehicles	Elec- tricity, explo- sions, etc.	Harmful sub- stances	Falling, slipping, stumbling, etc.	Striking against, stepping on, etc.	Handling, moving or falling objects	Hand tools	Other and unspeci- fied	Total
					MALES					
Under 20 20 - 29 30 - 39	171 295	89 288 196	63 124 88	23 64 38	350 1,195 973	117 219 172	882 2,604 1,840	427 740 354	102 272 186	2,224 5,801 4,022
30 - 39 40 - 49 50 - 59	175 129 101	161 95	54 36	36 19	7.45 539	154 104	1,489 1,096	207	165 88	3,140 2,193
60 and over Age not stated	32 16	36	10	9	185 18	34 4	331 63	32 8	29 3	698 122
Total	919	867	379	193	4,005	804	8,305	1,883	845	18,200
. 136					FEMALES					
Under 20 20 - 29	17 19	5 12	8	5	54 128	13 19	108	22	10 23	242 458
30 - 39	12	10	13	2	128	24	195 205	40 17	13	423
40 - 49 50 - 59	14 12	8	23	6	141 138	33 19	181 98	10	27	305
60 and over Age not stated	1	1	1		3	1	11 4	2	2	43 10
Total	75	43	63	25	616	110	802	103	84	1,921

⁽a) For a more detailed classification of Accident Factor, see Table 8.

No. 8 - FATAL AND NON-FATAL ACCIDENTS: INDIVIDUAL ACCIDENT FACTOR AND TIME LOST, 1976-77

		Males			Females	
Accident factor		Non	-fatal	73 1 3	Non	-fatal
	Fatal	Number	Time lost	Fatal	Number	Time lost
Machinery			weeks			weeks
Engines and prime movers		5	6.0			
Pumps (including windmills)	• •	3	14.4	• •	• • •	
Ropes, belts, pulleys, etc.	• •	24	153.0			
Shafting	• •	4	17.4			
Gears		3	4.0			
Hoists, cranes, winches, etc.	• •		159.8	• •		
Portable lifting appliances	• •	39			• •	• •
Lifts	1	20 8	78.6 373.6	• •	• •	• •
	• •	24	136.2		4	15.2
Conveyors	* *	116			4	15.2
Abrasive, polishing, etc.	• •	12	309.4		1	1.2
Agitators and mixers	• •	60	87.6	• •		
Casting, forging, welding	• •		147.6	• •	• •	• •
Crushers, grinding mills, etc.		14	33.6			
Drilling, boring, turning (metal)		44	204.6		2	3.0
" " (other)		20	119.2			
Milling machines (metal)		1	8.2			
Planers and shapers (wood)		16	52.6			
" (other)		7	23.0		1	1.2
Packing and wrapping		2	3.8		1	8.2
Opening, picking, combing, carding		1	1.4			•••
Presses and punches (metal)		19	68.0		2	31.0
				* *	2	
princing		6	11.2	• •		7.0
Other		15	138.8	* *	- 5	12.0
Rolls (printing, metal, gluing, etc.)		14	45.0			
Saws (wood)		99	520.2		1	3.4
" (metal)		12	56.2			
" (other)		23	65.0		1	2.6
Screening and separating						
Sewing and stitching		3	7.6		9	35.2
Shears (metal)		14	137.0			
" (paper)		1	6.0			
" (other - except food and sheep shears)		14	41.0		1	2.4
(Other - except root and sheep shears)		15	83.0		4	11.0
Rotary cutters (except food)	• •	21			,	
Cutters, food	• •		63.8		11	18.6
Spinning, weaving, knitting		3	17.2		• •	
Centrifuges		1	6.2	0.01	1	3.8
Other industrial machines (fixed)		131	599.4		21	145.2
Milking, shearing, cream separators		72	209.2		1	1.0
Farm implements (not tractors)		15	63.6		1	11.4
Other farm equipment (fixed)		7	23.8		1	14.4
Other machinery		11	67.4		1	1.2
Total	1	919	4,163.6		75	344.2
Vehicles	,	717	4, 10).0	• •	17	74402
	4	177	2 567 9		39	153.8
Motor vehicles	. 4	473	2,567.8			
Railway locomotives, trucks and cars	• •	130	701.4	• •	1	1.0
Mine, quarry and other vehicles on rails	• •	19	73.2			
Bicycles		8	19.2		• •	
Aircraft	1	2	2.2			
Water transport		5	18.8			
Animal-drawn vehicles		2	5.2			

No. 8 - FATAL AND NON-FATAL ACCIDENTS: INDIVIDUAL ACCIDENT FACTOR AND TIME LOST, 1976-77 (continued)

		Males			Females	
Accident factor	Pa+a7	Nor	n-fatal	F-+-3	Non	-fatal
	Fatal	Number	Time lost	Fatal	Number	Time lost
Vehicles (continued)	DEP-RANDON FEEL FRENCH TO STREET, STREET, SERVICE STREET, SERV		weeks	ATTRIC BROOK HE BRIGHT OF BUILDING HERE		weeks
Mobile machinery -						
Mobile cranes and hoists	• •	24	97.6		• •	
Fork-lift trucks Tractors	• •	63	411.0	• • •	2	4.0
Bulldozers, mechanical shovels, rollers, etc.		33 82	414.6		• •	• •
Other mobile machinery		15	80.8		1	9.4
Other vehicles		11	68.0			
Total	5	867	4,572.4		43	168.2
Electricity, explosions, flames, hot substances						
Electricity -						
Cables and flexibles, portable machines, etc.	2	12	47.0			
Switch and fuse gear	1	6	16.2		1	5.4
Electric supply wiring	• •	9	26.4		1	1.4
Other electricity Explosions -	• •	10	36.6			
Blasting (mines and quarries)		2	10.2			
Boilers and pressure vessels		9	54.8			
Gas (household and industrial)		9	105.0		1	1.2
Other explosions (including weapons)	• •	33	241.6	• •	2	39.6
Flames and hot substances or objects	1	289	993.2	• •	58	144.8
Total	4	379	1,531.0		63	192.4
Harmful substances						
Solids, powders		27	89.4		1	4.8
Gas and aerosols		66	171.2		8	21.8
Liquids	• •	100	337.2		16	33.0
Total		193	597.8	• •	25	59.6
Falling, slipping, stumbling, etc.						
Falling from -						
Ladders		252	1,455.8		16	83.6
Poles		2	2.6			
Roofs	• •	76	765.6	• •	1	1.0
Scaffolding Stairs or steps	• •	129	1,278.0	• •	0.4	644.0
Top or tray of vehicles	1	220 274	1,040.8 1,424.6		84	514.8 18.6
Other elevation		238	1,312.8	• •	26	176.6
Falling into excavations	1	75	677.0	• •	3	11.6
Jumping or stepping down		135	595.6		5	24.0
On same level -		0.044	40 755 0		-/-	
Slipping Stumbling	1	2,044	10,355.8		363	2,039.8
Other and unspecified		496 64	2,090.8 591.2		101 11	697.0
Total	3	4,005	21,590.6		616	3,593.0
		4,000	21, 550.0	• •	010	2,222.0
Striking against, stepping on, etc. Stepping on sharp objects		70	177.0		6	24.4
Striking against fixed or stationary objects	• •	79 725	2,548.8	• •	104	24.4 663.0
Total	• •	804	2,725.8	• •		687.4
	• •	004	2,12).0	• •	110	007.4
Handling, moving or falling objects						
Strain in handling Over-exertion	1	4,573 311	23,213.2 1,624.4	• •	569 46	3,204.8
Struck by -	• •	211	1,024.4	• •	40	272.8
Trees, limbs, logs		82	359.6			
Poles		24	121.0			
Other timber	• •	206	898.0		3	10.4
Drums and barrels	• •	66	249.2	• •	• •	006.0
Boxes, crates, cartons Bricks and tiles	• •	182 99	616.4 412.4	• •	22	226.2 2.6
Earth, rock, sand	2	149	555.4		1	4.2
Hand trucks, barrows, etc.	• •	72	271.2		13	29.0
Other objects	1	1,994	7,421.0		105	542.0
Handling sharp objects -						
Metal	1	182	394.6		11	28.8
Glass	• •	87 209	175.0 540.8	• •	12 11	25.8 22.6
Other sharp objects Other	• •	69	226.4		8	16.8
Total						
	5	8,305	37,078.6	• •	802	4,386.0
Hand tools						
Hand operated - Axes, hatchets		4.0	EE O		0	
Blow torches	• •	19 1	55.8 2.6	• •	2	4.2
Can openers		1	1.4	• •	• •	• •
Cleavers, choppers	• •	4	5.2		• •	
Chisels	• •	37	105.8		• •	
Crowbars, pinchbars	• •	29	244.4			
Files	• •	5	7.6		• •	
Hammers, mallets Hooks	• •	193	537.2	• •	• •	• •
Knives	• •	22 828	74.0	• •	79	161.2
		2	3.6			
Needles		6	7.0			

No. 8 - FATAL AND NON-FATAL ACCIDENTS: INDIVIDUAL ACCIDENT FACTOR AND TIME LOST, 1976-77 (continued)

		Males			Females	
Accident factor		Non-	-fatal	Fatal	Non-	-fatal
	Fatal	Number	Time lost	ratai	Number	Time los
and tools (continued)			weeks			weeks
Hand operated -						
Picks, pickaxes, hoes	• •	6	10.4			
Picks, pickaxes, noes	• •	4	12.2			
Pliers, pincers, tongs		56	112.4			
Saws		11	25.8	• •	2	3
Scissors and shears	* *	10	15.0			-
Screwdrivers	• •				• •	
Shovels and spades		32	92.2			
Spanners, wrenches		75	210.8	• •	* *	47
Other	1	112	372.8		9	17.
Power operated -						
Abrasive, sanding, polishing, etc.		66	151.6		1	1.
Chisels		1	3.4			
Drills, jack-hammers, etc.		122	333.8		2	2.
Knives		- 1	1.0		2	3.
Riveters		2	3.6			
Saws		60	164.8		2	3.
Screwdrivers		2	6.8			
	• •	1	2.2			
Soldering irons		5	7.8			
Explosive-powered fasteners	• •	88	215.4			
Electric welders	• •		108.2			
Oxy torches	• •	40			• •	5.
Other	• •	47	147.6	• •	4	
Total	1	1,883	4,770.4	• •	103	201.
iscellaneous		007	4 400 4		16	61.
Animals and insects		293	1,400.4		10	01.
Physical causes -						
Cold						•
Compressed air		1	9.4			4
Exposure (to rain, wind, etc.)						
Heat (furnaces, weather, etc.)		5	7.8		1	1.
Immersion		2	2.6			
Radiation (not burns from)		1	1.0		1	7.
Vibration		12	36.4		1	13.
Other physical causes	1	88	357.4		7	22.
	7	1	1.0			
Pressure vessels	• •		1.0	• • •		
Other -		70	254.4		17	33
Doors, windows, gates, etc.	• •		312.8		3	7.
Flying particles	• •	156		• •	38	91.
Other and unspecified	• •	216	802.4		20	
Total	1	845	3,185.6	• •	84	237
GRAND TOTAL	20	18,200	80,215.8		1,921	9,869

No. 9 - NON-FATAL ACCIDENTS: DURATION OF TIME LOST, 1976-77

	Ma	les	Fem	nales		Persons	
Duration of time lost		Time lost		Time lost	N	Tim	e lost
	Number	(weeks)	Number	(weeks)	Number	Weeks	% of total
1 week but under 2 weeks	8,916	11,453	947	1,205	9,863	12,659	14.0
2 weeks but under 4 weeks	4,919	12,892	496	1,310	5,415	14,202	15.8
4 weeks but under 6 weeks	1,663	7,847	173	817	1,836	8,664	9.6
6 weeks but under 8 weeks	931	6,304	84	572	1,015	6,875	7.6
8 weeks but under 13 weeks	981	9,705	98	960	1,079	10,665	11.8
13 weeks but under 26 weeks	489	8,554	62	1,138	551	9,692	10.8
26 weeks but under 52 weeks	195	6,819	40	1,432	235	8,251	9.2
52 weeks but under 104 weeks	85	6,169	17	1,169	102	7,338	8.1
104 weeks but under 156 weeks	12	1,530	4	499	16	2,029	2.2
156 weeks and more	9	2,061	• •	• •	9	2,061	2.3
Total	18,200	73,334	1,921	9,102	20,121	82,436	91.5
Reopened claims (a)	• •	6,882		768	* *	7,650	8.5
Total	18,200	80,216	1,921	9,870	20,121	90,086	100.0

⁽a) Additional time lost which cannot be allocated to appropriate groups. The number of reopened claims reported was 3,178.



INDUSTRIAL ACCIDENTS

(Series B)



WESTERN AUSTRALIA

AUSTRALIAN BUREAU OF STATISTICS

WESTERN AUSTRALIAN OFFICE 1977-78